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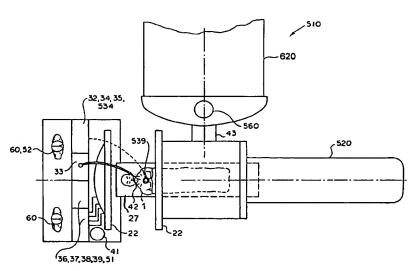
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(54) Title: HYPERBARIC RESUSCITATION SYSTEM AND METHOD



(57) Abstract: A hyperbaric resuscitation system (10) includes a hyperbaric chamber (20) having a volume sufficient to enclose a human patient (1) and at least two operating personnel (60). The system (10) also includes a device for pressurizing the hyperbaric chamber (20) to at least 1.5 atmospheres with air. The concentration of oxygen in high pressure, oxygen-rich gas to be breathed by the patient (1) provided by an independent system (41) at chamber pressure is automatically regulated by a regulating system (33) which receives information about the amount of oxygen in cerebral tissue of the patient (1) from a spectrophotometer (51, 52). Although devices for measuring the exact amount of oxygen in cerebral tissue do not yet exist, the presently available devices can show trends in the amount of oxygen in the tissue. Since the physician working on a patient in a hyperbaric resuscitation system is more concerned about trending than exact values, the present system can still be of great benefit in resuscitating patients.

